

AUTOMATED TESTING OF COMPUTER SYSTEM COMPONENTS**ABSTRACT**

A system for the automated testing of software in a distributed environment. A system server includes a test bucket for storing test data. System resource availability data is maintained in the system server. Test requests submitted by a user are processed by the system server. Upon appropriate resource availability a dynamic test script is generated by the system server and sent to appropriate client machines for execution. Client processes on the client machines manage the execution of the tests. Client machines return test results to the system server for generation of a test report.